

IAP20R0001404573864  
MAR 2006

ATTORNEY DOCKET NO. 04156.0022U1  
EXPRESS MAIL LABEL NO. EL 997678790 US  
PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of )  
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                        )  
NÄGEL, Wulf             ) Art Unit:  
                        )  
International Application No. PCT/EP2004/010916 ) Examiner:  
                        )  
International Filing Date: 30 September 2004     ) Confirmation No.  
                        )  
For:    PHOTOVOLTAIC ELEMENT

**INFORMATION DISCLOSURE STATEMENT**

Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

NEEDLE & ROSENBERG, P.C.  
Customer Number 23859

Sir:

Pursuant to the requirements of 37 C.F.R. § 1.56, submitted herewith on the accompanying Information Disclosure Statement List is a listing of documents known to Applicants and/or their attorneys. In accordance with 37 C.F.R. § 1.98(a)(2), copies of any cited U.S. patent or U.S. patent application publication documents are not enclosed. Copies of any cited foreign patent document and/or any non-patent publication are enclosed.

This Information Disclosure Statement is believed to be filed in a timely manner pursuant to 37 C.F.R. § 1.97(b)(3), in that a first Office Action on the merits of the present patent application has not yet been mailed to Applicants.

40/573864

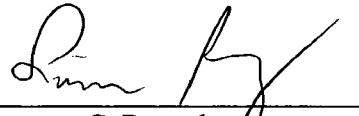
IAP20 Docket No. 20 MAR 2005  
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EXPRESS MAIL LABEL NO.EL 997678790 US  
International Application No. PCT/EP2004/010916

Consideration of the cited documents and making the same of record in the prosecution of the above-referenced application are respectfully requested.

No fee is believed to be due; however, the Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 14-0629.

Respectfully submitted,

NEEDLE & ROSENBERG, P.C.



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 SHEET 1 OF 1

IAP20 Rec'd FTS/USPTO 29 MAR 2006

<b>INFORMATION DISCLOSURE STATEMENT LIST</b>  (Use as many sheets as necessary)				Complete if Known			
				International Application Number		<b>0415673864</b>	
				International Filing Date		30 September 2004	
				First Named Inventor		NÄGEL, Wulf	
				Group Art Unit			
Examiner Name							
<b>U.S. PATENT DOCUMENTS</b>							
Examiner's Initials	Cite No.	Document No.	Date	Name	Class	Subclass	Filing Date (if appropriate)
TT	A1	4,234,351	11/18/1980	Deminet, et al.	136	251	
TT							
TT							
TT							
<b>FOREIGN PATENT DOCUMENTS</b>							
Examiner's Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Date	Name	Translation Yes/No		
/TT/	A2	EP 1 130 657	09/05/2001	Universidad Politecnica de Madrid	Yes		
TT	A3	DE 198 37 365	03/02/2000	Forschungszentrum Jülich GmbH	Yes, abstract; also it is the same as Cite A4.		
TT	A4	GB 2 341 002	03/01/2000	Forschungszentrum Jülich GmbH	Yes		
TT	A5	WO 88/03709	05/19/1988	Spectrolab, Inc.	Yes		
<b>NON-PATENT DOCUMENTS</b>							
Examiner's Initials	Cite No.	Non-Patent Citations (Include Author, Title, Publisher, Relevant Pages, Date and Place of Publication)					
/TT/	A6	Yoshihiro Nakato, et al.: "Solar Cells Based on a New Junction Transparent Conductor/Thin Insulator Having Ultrafine Metal Islands/Semiconductor", Proceedings of the International Photovoltaic Science and Engineering Conference, Kyoto, Nov. 26-30, 1990, Kyoto, Kyoto University, Japan, (1990-11-26) pages 939-942.					
/TT/	A7	Yoshihiro Nakato, et al.: "Improvement of Characteristics of New-type Solar Cells, Having a Transparent Conductor/Thin SiO <sub>2</sub> Layer With Ultrafine Metal Particles as Conductive Channels/n-Si Junction," Solar Energy Materials and Solar Cells, Elsevier Science Publishers, Amsterdam, NL (1995-07-01), pages 323-335.					
/TT/	A8	Chattopadhyay P.: "A Novel Low Resistive Metal-Insulator-Semiconductor (MIS) INVERSION LAYER Solar Cell Structure," Solid State Electronics, Elsevier Science Publishers, Barking, GB (1988-11-01) pages 1641-1643,					
2 Examiner Signature: /Thanh Truc Trinh/				Date Considered: 12/17/2007			
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							